ABSTRACT OF THE DISCLOSURE

A force-applying input device has a controller which calculates a torque component of an actuator drive signal

5 corresponding to a current position by multiplying the sum of the current position and the product of a current speed and a coefficient by an elastic modulus. In addition, the controller also calculates a torque component of the actuator drive signal corresponding to the current speed by

10 multiplying the current speed by a coefficient of viscous friction.